

No 38

No 4

Jan 8th

Onionseed.

J. Upshur

Exam^d. Mar 12th 1814

J. Upshur

Mar. 12th 1814

Præmonition improperly divided into diff. species

tissue
some
to man
parts
thelid
in man
suitable
square
d, will
square
to com
it is in
P.
diagnosis
according
to be, a
very often

Pneumonia

The human body is liable to various forms of disease differing both in violence & duration. While some run their course in a few days, others are protracted to many months. Some are safely & easily removed by the efforts of the constitution alone, & others baffle the most skilful exertions of medical science. There are few which are more readily subdued, by the prompt & early exhibition of suitable remedies, than pneumonia; but there are few which require more immediate attention; & few which, if neglected, will be productive of more serious & destructive consequences. Hence the necessity of attacking the disease in its commencement, before it is perfectly formed, & while it is in the power of medicine to remove it.

Pneumonic inflammation has been divided by some nosologists, into different species, having different appellations according to the seat of the disease. This, however, seems to be, at least, an useless multiplication of names; for very often the true seat of the inflammation cannot be

History & Symptoms

exactly ascertained. Frequently, at the same time that the lungs & pleura are inflamed, some of the abdominal viscera are also affected; when if we were guided by the feelings of the patient alone, it would induce a belief that it was seated either in the lungs or pleura only. And, indeed, if it could be determined it would be of no real utility, for it would lead to no difference in the remedies necessary for the cure of the disease.

This disease makes its appearance with greater or less severity according to circumstances. Sometimes it is attended with very ^{distinct} symptoms from the beginning, the patient being affected with a severe pain in some part of the thorax immediately on the application of the exciting causes. When this is the case, the patient is, usually, unable to make a deep inspiration, & expiration is very difficult & labourous unless he is lying on his back. Sometimes, however, somewhat of an erect posture is easiest. The attack commences with a shivering which is succeeded by other symptoms of fever, such as heat, thirst, restlessness, &c. - The pulse is different according to the violence of the attack. Sometimes, owing to the violent excitement, the blood vessels are smothered (if I may be allowed the expression) & unable to act with vigour. In such a case the pulse is oppressed

and the
claves
tion,
a few
thing,
A town
ammun
land, &
flama
port i
concept
able i
blood
ing, sa
found
diseas
comes
tion to
spines
has not
prece
nke, i
which
ten pr

27
and there is another pain in the side or cough. Venesection
relieves the blood vessels of the base of Lungs that overthens
them, & brings on both of those symptoms, which is considered
a favourable sign. Generally, however, the pulse is full,
strong, hard, frequent, & quick.

A troublesome cough, for the most part, (sometimes dry, but
commonly moist from the beginning) disturbs the pa-
tient, & causes great pain by shaking & distending the in-
flamed parts. This often makes him hold his breath to pre-
vent the effort of coughing, & to avoid the consequent
congestion. Expectoration is, in the commencement, inconsi-
derable in quantity, of thin consistence, & often streaked with
blood. The violence of the pain, which is increased by cough-
ing, causes a constant watchfulness. - Very often, about the
second day after the attack, delirium supervenes, & unless the
disease be removed by proper remedies a clammy sweat
comes on & is soon succeeded by death. Or otherwise suppu-
ration takes place accompanied with hectic fever, & the disease
assumes the form of a confirmed phthisis. The disease, however,
does not often run its course so rapidly, but after the usual
precursors of pyrexia, such as chills alternating with heat, head-
ache, languor, prostration of strength &c. the symptoms, by
which its character is more particularly marked, come on & of-
ten progress more slowly.

of pain
always
in the
about
place
sometimes
I occasionally
times
I judge
but so
classic
In many
in order
its paper
are com
from the
tly. The
of the
tone w
stead of
which
prime
power
the pa

A pain in some part of the thorax is a symptom which always attends pneumonic inflammation. It is not always in the same place, but is most commonly in the right side about the middle of the 6th or 7th rib. It sometimes takes place higher or lower, more backward or more forward. It is sometimes seated under the sternum; often in the left side, & occasionally in the back between the shoulders. It is sometimes dull with a sensation of weight, but much often sharp & pungent. It is generally fixed after the disease is fully formed but sometimes it flies to the sternum, scapula, or clavicle with a lancinating sensation.

In many instances the face is swollen & becomes purple in violent fits of coughing which impede the blood in its passage through the lungs. The head aches. The bowels are commonly constipated, but sometimes there is a looseness from the beginning. The urine is high coloured & small in quantity. The skin is dry & hot, & there is a great diminution of the secretions. The tongue is white & furry, a symptom which always attends synocha fever. Sometimes instead of being white it is tinged of a yellowish colour, which indicates the presence of bile accumulated in the primæ viæ. - The senses are, often much impaired. The power of smelling & tasting is almost entirely suspended, & the patient hears very imperfectly. Sometimes, in this, as

Terminations of Pneumonia

Resolution

well as other diseases of excessive excitement, the imagination is much brightened, & the patient makes use of handsome flights of fancy, such as he would not be capable of in a natural & healthy state.

Blood drawn in the disease in question, exhibits a sizzly appearance & buff coloured coat. These appearances in the blood, however, form a very uncertain criterion by which to judge of the degree of inflammation, for we know that they are altered by the quickness or slowness of its flowing from the vein. When it flows from a full & free stream from a large orifice there will be more sizz & a greater thickness of buff than when it issues from a small orifice or runs slowly from any other cause. It was remarked by Doct. Sydenham that, "the the blood flows ever so fast, yet if it does not stream horizontally from the open vein, but runs perpendicularly down along the skin, it is frequently of another colour, which I confess I cannot account for, and such a bleeding is also less serviceable."

Pneumonia terminates in various ways. The safest & most frequent is by resolution; & indeed, it seldom ends favourably in any other way. When the termination is by resolution, it generally takes place in the course of the first week, if the disease is violent. Often, however, if it

critical Hemorrhage—

Suppuration & Vomica

Purulent

Paracanthus Thorens

be not very violent it does not happen before the second or third week. In some instances a favourable diaphoresis has come on; the symptoms have gradually abated, & the disease has thus gone off of itself. It should be remembered, however, that this favourable event is very seldom to be expected, & that, without the use of remedies, the event will for the most part be fatal. — Resolution is accompanied with a copious expectoration of a yellowish matter which is sometimes streaked with blood. — A diarrhoea frequently comes on, & it is sometimes attended with a flow of the menses. It is often terminated by a critical hæmorrhage; most frequently from the nose, & sometimes from the hæmorrhoidal vessels.

This disease sometimes terminates in suppuration, a very dreadful & almost always fatal event. When this process has commenced, the patient feels a sensation of swelling in some part of the chest, & is affected with rigors. The pulse is weak & softer, the pain & expectoration cease, & dyspnoea & cough become urgent. Sweat appears about the breast, face, & upper extremities. A vomica is formed in the lungs which bursts, & filling the air cells with pus, causes immediate suffocation; or it is effused into the cavity of the thorax & produces empyema & hectic fever. In a few instances it is said that empyema has been relieved by paracentesis thoracis.

the first of these was the first of the series
and the second was the second of the series
the third was the third of the series
the fourth was the fourth of the series
the fifth was the fifth of the series
the sixth was the sixth of the series
the seventh was the seventh of the series
the eighth was the eighth of the series
the ninth was the ninth of the series
the tenth was the tenth of the series
the eleventh was the eleventh of the series
the twelfth was the twelfth of the series
the thirteenth was the thirteenth of the series
the fourteenth was the fourteenth of the series
the fifteenth was the fifteenth of the series
the sixteenth was the sixteenth of the series
the seventeenth was the seventeenth of the series
the eighteenth was the eighteenth of the series
the nineteenth was the nineteenth of the series
the twentieth was the twentieth of the series
the twenty-first was the twenty-first of the series
the twenty-second was the twenty-second of the series
the twenty-third was the twenty-third of the series
the twenty-fourth was the twenty-fourth of the series
the twenty-fifth was the twenty-fifth of the series
the twenty-sixth was the twenty-sixth of the series
the twenty-seventh was the twenty-seventh of the series
the twenty-eighth was the twenty-eighth of the series
the twenty-ninth was the twenty-ninth of the series
the thirtieth was the thirtieth of the series
the thirty-first was the thirty-first of the series
the thirty-second was the thirty-second of the series
the thirty-third was the thirty-third of the series
the thirty-fourth was the thirty-fourth of the series
the thirty-fifth was the thirty-fifth of the series
the thirty-sixth was the thirty-sixth of the series
the thirty-seventh was the thirty-seventh of the series
the thirty-eighth was the thirty-eighth of the series
the thirty-ninth was the thirty-ninth of the series
the fortieth was the fortieth of the series
the forty-first was the forty-first of the series
the forty-second was the forty-second of the series
the forty-third was the forty-third of the series
the forty-fourth was the forty-fourth of the series
the forty-fifth was the forty-fifth of the series
the forty-sixth was the forty-sixth of the series
the forty-seventh was the forty-seventh of the series
the forty-eighth was the forty-eighth of the series
the forty-ninth was the forty-ninth of the series
the fiftieth was the fiftieth of the series
the fifty-first was the fifty-first of the series
the fifty-second was the fifty-second of the series
the fifty-third was the fifty-third of the series
the fifty-fourth was the fifty-fourth of the series
the fifty-fifth was the fifty-fifth of the series
the fifty-sixth was the fifty-sixth of the series
the fifty-seventh was the fifty-seventh of the series
the fifty-eighth was the fifty-eighth of the series
the fifty-ninth was the fifty-ninth of the series
the sixtieth was the sixtieth of the series
the sixty-first was the sixty-first of the series
the sixty-second was the sixty-second of the series
the sixty-third was the sixty-third of the series
the sixty-fourth was the sixty-fourth of the series
the sixty-fifth was the sixty-fifth of the series
the sixty-sixth was the sixty-sixth of the series
the sixty-seventh was the sixty-seventh of the series
the sixty-eighth was the sixty-eighth of the series
the sixty-ninth was the sixty-ninth of the series
the seventieth was the seventieth of the series
the seventy-first was the seventy-first of the series
the seventy-second was the seventy-second of the series
the seventy-third was the seventy-third of the series
the seventy-fourth was the seventy-fourth of the series
the seventy-fifth was the seventy-fifth of the series
the seventy-sixth was the seventy-sixth of the series
the seventy-seventh was the seventy-seventh of the series
the seventy-eighth was the seventy-eighth of the series
the seventy-ninth was the seventy-ninth of the series
the eightieth was the eightieth of the series
the eighty-first was the eighty-first of the series
the eighty-second was the eighty-second of the series
the eighty-third was the eighty-third of the series
the eighty-fourth was the eighty-fourth of the series
the eighty-fifth was the eighty-fifth of the series
the eighty-sixth was the eighty-sixth of the series
the eighty-seventh was the eighty-seventh of the series
the eighty-eighth was the eighty-eighth of the series
the eighty-ninth was the eighty-ninth of the series
the ninetieth was the ninetieth of the series
the ninety-first was the ninety-first of the series
the ninety-second was the ninety-second of the series
the ninety-third was the ninety-third of the series
the ninety-fourth was the ninety-fourth of the series
the ninety-fifth was the ninety-fifth of the series
the ninety-sixth was the ninety-sixth of the series
the ninety-seventh was the ninety-seventh of the series
the ninety-eighth was the ninety-eighth of the series
the ninety-ninth was the ninety-ninth of the series
the hundredth was the hundredth of the series

Part of the series is the first of the series

the first of the series
the second of the series
the third of the series
the fourth of the series
the fifth of the series
the sixth of the series
the seventh of the series
the eighth of the series
the ninth of the series
the tenth of the series
the eleventh of the series
the twelfth of the series
the thirteenth of the series
the fourteenth of the series
the fifteenth of the series
the sixteenth of the series
the seventeenth of the series
the eighteenth of the series
the nineteenth of the series
the twentieth of the series
the twenty-first of the series
the twenty-second of the series
the twenty-third of the series
the twenty-fourth of the series
the twenty-fifth of the series
the twenty-sixth of the series
the twenty-seventh of the series
the twenty-eighth of the series
the twenty-ninth of the series
the thirtieth of the series
the thirty-first of the series
the thirty-second of the series
the thirty-third of the series
the thirty-fourth of the series
the thirty-fifth of the series
the thirty-sixth of the series
the thirty-seventh of the series
the thirty-eighth of the series
the thirty-ninth of the series
the fortieth of the series
the forty-first of the series
the forty-second of the series
the forty-third of the series
the forty-fourth of the series
the forty-fifth of the series
the forty-sixth of the series
the forty-seventh of the series
the forty-eighth of the series
the forty-ninth of the series
the fiftieth of the series
the fifty-first of the series
the fifty-second of the series
the fifty-third of the series
the fifty-fourth of the series
the fifty-fifth of the series
the fifty-sixth of the series
the fifty-seventh of the series
the fifty-eighth of the series
the fifty-ninth of the series
the sixtieth of the series
the sixty-first of the series
the sixty-second of the series
the sixty-third of the series
the sixty-fourth of the series
the sixty-fifth of the series
the sixty-sixth of the series
the sixty-seventh of the series
the sixty-eighth of the series
the sixty-ninth of the series
the seventieth of the series
the seventy-first of the series
the seventy-second of the series
the seventy-third of the series
the seventy-fourth of the series
the seventy-fifth of the series
the seventy-sixth of the series
the seventy-seventh of the series
the seventy-eighth of the series
the seventy-ninth of the series
the eightieth of the series
the eighty-first of the series
the eighty-second of the series
the eighty-third of the series
the eighty-fourth of the series
the eighty-fifth of the series
the eighty-sixth of the series
the eighty-seventh of the series
the eighty-eighth of the series
the eighty-ninth of the series
the ninetieth of the series
the ninety-first of the series
the ninety-second of the series
the ninety-third of the series
the ninety-fourth of the series
the ninety-fifth of the series
the ninety-sixth of the series
the ninety-seventh of the series
the ninety-eighth of the series
the ninety-ninth of the series
the hundredth of the series

72
This, however, tho' it may sometimes be successful, is a very serious
alteration; for there is every reason to believe that, if an
opening be made into the cavity of the thorax communicat-
ing with the external air, the lung on that side will col-
lapse, & respiration & the decarbonation of the blood will, of
necessity, be left perfectly performed. It has been asserted that an
opening thus made into the thorax would not produce this effect
on the organs of respiration. But as the lungs are distended only
by the pressure of air rushing in to fill up the vacuum pro-
duced by the action of the diaphragm & intercostal muscles, it is
evident that, such an effect would be prevented by an equal pressure
on the surface of the lungs, & that they would remain passive.
This opinion, at least, is taught in this university, & the entire confidence
which I place in what I heard advanced within its walls, would alone
induce me to adopt it without the least hesitation. Notwithstand-
ing this effect, however, the operation should certainly be per-
formed whenever there is a very large quantity of fluid collected
in the cavity of the thorax, or it would so confine the heart
& lungs, as to produce suffocation.

Sometimes the pus is effused into the trachea & is thrown
out with the sputa; ulceration of the lungs takes place, &
pneumonia supervens. When the vomica has burst into the
thorax, it may be known by a fluctuation which the
patient is sometimes sensible of on a sudden affection of

exciting causes

2
constitutions & lax habits. In this season men are oftener & more violently attacked with it than women. This, however, is not the only cause, for the nature of their occupations in life renders it necessary for them to be oftener exposed to the exciting causes. — a strong animal diet increases the tendency to this disease & renders it more violent, making more copious depletion, & stricter attention to the antiphlogistic regimen, necessary. It happens most frequently in the winter & spring, & especially in the latter season, the vernal warmth acting on the increased excitability of the system.

Amongst the direct exciting causes of pneumonia are most or all of those which excite other fevers; & perhaps, the most frequent is cold applied to a heated system; or to the lungs themselves. — Does not the state of the system, when the exciting causes are applied, have some effect in fixing the particular character of the fever? Any sudden shock on the system is liable to prove injurious. A sudden transition ^{from} heat to cold or vice versa is apt to derange the action of the system & render it irregular & morbid. If these circumstances should occur in a full, plethoric habit would not an inflammatory fever be the consequence? It has been said that this disease may be produced by all those causes which are capable of exciting the blood vessels to a

[Faint, illegible handwriting on the left page of an open manuscript. The text is written in a cursive script and is mostly obscured by the binding and the age of the paper.]

more
ing b
to the
demon
for in
the sh
case s
in sw
would
discre
times
of the
thousa
hairs
that
pro
of sh
know
ings
Lays
du s
-ly, on
minds
aid, e

more vigorous action; such as violent exercise, sunning, jumping &c. But there seems to be something more necessary to the production of disease than the mere increase or diminution of action.

In enumerating the causes of the disease in question the state of the lungs should be considered. A previous disease might become a predisposing cause by leaving the lungs in such a state that trifling exciting causes, which otherwise would not be injurious, would in this case easily induce the disease. Amongst the indirect causes have been mentioned Eruptions or habitual sweats impudently repressed; also a suppression of the menses or hemorrhoids. - External violence done to the thorax sometimes produces pneumonic inflammation. Abscesses formed in the lungs, & altho the physician may become that depletion may increase the debility of phthisis, yet he will find it necessary to have recourse to blood-letting for the purpose of relieving the inflammation. When the inflammation is produced by this cause, & is not too violent, repeated small bleedings are more proper than copious ones.

Large draughts of cold water taken when the system is over heated are said sometimes to produce this disease; but that is, probably, much oftener the cause of gastritis. Penetrating instruments penetrating the thorax, or the sharp ends of fractured ribs, wounding the lungs, excite inflammation in them.

Prognosis

The
symptoms
are
common
in
is dangerous
if they
continue
and with
the
infectious
indicated
symptoms
from
stiffness
and
that
tends
that
to a
is often
for
are

The prognosis may be taken from the violence of the symptoms. Pneumonia is never unattended with danger, & many cases would prove fatal if left to themselves which are easily removed by the timely application of proper remedies. When the disease makes its first appearance suddenly & with violence, it is dangerous. — Symptoms indicating violent inflammation are always to be dreaded. A very severe pain, hard full pulse, especially if there should also be a distressing difficulty of breathing, indicate a severe disease. Breathing alternately brisk & slow, attended with a dilatation of the nostrils, is a very bad symptom. If the pain extend to the spine & scapula, or to the abdominal cavity it shows that the inflammation is extensive, & indicates great danger. If, after the application of remedies, the symptoms should cease, if there should be a remission of pain in the thorax, if the dyspnea should become less distressing, & the pulse softer, we may conclude that the disease is yielding to the treatment that has been adopted, & that the cure may soon be accomplished. If, however, the symptoms should continue violent or grow worse, it is to be feared that the disease will overcome the efforts of art, & run on to a fatal termination. — Difficult or suppressed expectoration is esteemed an unfavourable symptom.

In forming a judgment of the issue of the disease, we are much assisted by considering the habit of the patient.

[Faint, mostly illegible handwriting in cursive script, likely a letter or a page from a manuscript. The text is written in dark ink on aged, slightly discolored paper.]

If he
the co
effici
weak
attach
dang
-ant
penile
selut
dang
into
show
tion
tion
consist
petit
-ant
If he
certin
Altho
a cou
along
issue
a prop

12
If he is of a sound constitution the depletion necessary for the cure of the inflammation, will be productive of no ill effects, & will not be contraindicated. If, however, he is of weakly constitution, & of debilitated habit at the time of the attack, he cannot bear the necessary evacuations, & therefore, great danger is to be apprehended. When this disease attacks pregnant women it is apt to produce abortion; & when puerperal women are affected with it, it is generally fatal. - A silent delirium accompanied with sighing, indicates great danger. Delirium is less dangerous if accompanied with loquacity & wit. A sudden cessation of pain, with evening rigors shew that suppuration has commenced. - If the operation of remedies should produce a more copious expectoration. If the phlegm thrown up should become of thicker consistence, & more easily expectorated, & if after venesection the patient should enjoy quiet tranquil sleep, there is sufficient reason for supposing that the case will end favourably. If symptoms of mortification should come on, the case will certainly be fatal.

Altho these symptoms are of much assistance in forming a correct prognosis, yet they are sometimes deceptive, & it is always impossible to tell with certainty what will be the issue of the case. If, therefore, we are urged to give a prognosis, it should always be guarded, & perhaps it would

Diagnosis

be out
well a
more
to a

There
might
of its
on 10
respira
occurs
caused
the d
it is
pretor
which
It is
I argue
-m is
or at
the
the s
then

be well, as it regards the feelings of the patient's friends, as well as the reputation of the physician, to make it rather more unfavourable than the circumstances of the case seem to require.

The diagnosis of this disease is, for the most part, easy. There are some diseases, however, with which, by inattention, it might be confounded. *Peripneumonia hæthæ* resembles it in some of its symptoms & perhaps, more than any other disease. It comes on with febrile symptoms, - is attended with cough, difficult respiration &c. in common with pneumonia vera. It generally occurs at the same seasons, & is excited, frequently, by the same causes. But the symptoms are milder than the symptoms of the disease in question. The pain is more obscure, or rather it is more a sense of weight & oppression than of pain. Expectoration is ^{often} copious through the whole course of the disease, which is not the case, always, with pneumonia vera.

A severe catarrh very much resembles a mild pneumonia & requires the same remedies to remove it. In catarrh aspiated on is less impeded. In full inspiration is attended with no pain, or at least if there be any, it is very slight.

The pain in acute hepatitis is often in such a part of the side as to make it appear like that of pleurisy & often like that too, is increased on respiration. The pain in hæ-

Indications of force

patients
discharge
the
the
to
intellect
for
by
atmos
warm
state
will
a
are
after
on the
conce
of
which
limits
first
patients

patitis generally shoots up towards the shoulder & clavicle.
Pressure on the right hypochondrium increases the pain, but
the patient lies easiest on the affected side, which is not
the case in pneumonia. The action of the liver is deranged,
& often, the bile is in an unnatural state, so as to disorder the
intestinal canal. It is, also, often attended with a yellowness of the
face & eyes, & a short dry cough.

Pneumonia may often be arrested in its commencement
by proper attention to the premonitory symptoms; & it is of the
utmost importance to apply remedies in its incipient state.
Warm pediluvium will often be of evident service in this
state. Exciting a copious sweat, if done by gentle means,
will also be beneficial. If there be a stitch in the side,
a stimulating application to the part will frequently be of
use in relieving it.

After the disease is fully formed, the first indication is to lessen
the inflammation, & thereby to prevent the dangerous
consequences which it would otherwise produce. The most pow-
erful remedy for fulfilling this indication is blood letting,
which should be used in the first instance. No particular
limits should be set to the quantity of blood taken. The
first bleeding should be copious & nearly as much as the
patient can bear. The orifice from which it flows should

[Faint, illegible handwriting on the main page of the manuscript.]

be done
By the
quint
a son
the
of the
diger
contu
fel
it in
more
quint
purs
either
longer
out
-expe
dical
symp
the
on the
shoul
diffic
contu

be large that the necessary quantity may be quickly taken.
By these means the disease is much more easily & more
quickly subdued than by small & repeated bleedings from
a small orifice. Indeed, small bleedings often do harm in
the commencement, by relieving the bloodvessels of so much
of the load that oppresses them as to allow them to act more
vigorously. Some advise that the first loss of blood should be
continued *ad deliquium animi*. But, tho' this practice may be use-
ful in some instances, it would be very unsafe to follow
it in all cases indiscriminately. For some people are much
more seriously affected by syncope than others, & do not re-
quire such copious evacuation. In some cases syncope su-
pervenes before a sufficient quantity of blood is taken, &
altho' it would not be safe to continue the evacuation any
longer at that time, yet a short time afterwards the pa-
tient will be able to lose a sufficient quantity without syn-
cope or any other inconvenience. - In any stage of the
disease we should have recourse to venesection if the
symptoms should require it, & the sooner it is employed
the more efficacious it will be found. After the ninth
or tenth day, however, tho' it relieves, it seldom cures. It
should be repeated as long as the pain in the thorax and
difficulty of breathing continue urgent, especially if the pulse
continue full & hard. The quantity of blood taken at each

time
toms
will,
Spend
said
of blo
bleed
lost of
-man
which
flam
the lo
reason
party
a time
inflam
A
drawn
out a
symp
of the
cont
it die
of ple

time should be regulated by the violence of the symptoms & the strength of the patient. From 15 to 25 ounces will for the most part, be sufficient for the first time. Doct. Sydenham remarks "I have seldom known a confirmed pleurisy cured in grown persons, without the loss of about forty ounces of blood. In children, however, it is generally sufficient to bleed once or twice." This author, here, does not limit the loss of blood to forty ounces, but rather makes that the minimum of what is necessary to be taken. There have been cases which required the loss of 60 or 100 ounces to subdue the inflammatory symptoms, but there are also many cases in which the loss of 6 or 120 ounces is amply sufficient. And, probably, the reason why Doct. Sydenham found it necessary, always, to take forty ounces, is that he ordered only ten ounces to be taken at a time, even in the commencement. That instead of lessening the inflammation often increased it, & gave rise to the necessity for more copious depletion.

A buff coloured coat appearing on the surface of the blood drawn indicates more blood letting. Its absence, however, should not deter us from a repetition of venesection while other symptoms are urgent & call for it, but we should make use of that remedy again & again if required, & indeed the buffy coat will often appear at the second or third bleeding, altho' it did not at first. Pregnancy seems to produce a degree of plethora, & perhaps, on that account more blood letting will

Decoction of Cantharides?
in sp. Trinitatis

be required for the cure of pneumonic inflammation, when it attacks women in that condition.

Altho we should recommend copious bleeding as the most efficacious remedy in the cure of pneumonia when the violence of the disease requires it, yet we should not have recourse to a repetition of it unless the symptoms call for it or the strength of the patient will allow of it. It is a very debilitating remedy, & if unnecessarily or injudiciously used, it may produce such a degree of weakness that the cure, if not prevented, will, at least be very much protracted. — When the strength of the patient will not allow of repeated bleedings from the arm, & the pain & difficulty of breathing continue, topical bleeding, by leeches or cupping, will be of service.

After venesection epispastics are of very great use in relieving the pain which is always felt in some part of the chest. A large plaster of cantharides should be applied, on the first or second day, directly over the pained part. In those cases in which it seems probable that a repetition of bloodletting will not be speedily required, the blistering plaster may be applied immediately after the first bleeding; otherwise it had better be postponed until the action of the system is further advanced by venesection. As this remedy is useful by producing a diversion from the affected part, the nearer it is to that part the more efficacious it will be. — When the bowels are

multitude
that was
by gene
relative
honour
to
tion of
entire
poor
into a
water
after
employ
and
remain
I sleep
the
effect
of Dore
I pot
comes
relating
which
than

constipates the hardened faeces distend the intestines, & are by that means stimulating. Costiveness should, therefore, be removed by gentle purges or clysters; but much purging is injurious.

Diluting drinks to excite a diaphoresis are very proper, & the antimonial powders may be given along with them, with advantage.

As a copious expectoration generally accompanies the resolution of this disease, when obstructions take place remedies, calculated to promote this secretion, should be used. For this purpose small doses of col. alkali, squills, tartute of antimony in divided doses &c. will be of service. Inhaling the vapour of warm water will also have a tendency to render expectoration easier.

After sufficient venesection & other evacuations have been employed, opium is often of very great service, but it should be used with the utmost caution while any inflammatory symptoms remain. This remedy is indicated when there is restlessness & want of sleep; & it is often an useful anodyne combined with camphor. Also combined with the tartute of antimony, beside its anodyne effect it will be salutary by exciting a diaphoresis. In the form of Dover's powder, made with white sugar instead of the sulphate of potash, it may be useful in the same way. When a cough comes on small doses of liquid laudanum are serviceable in relieving it, & they may be taken with the demulcent drinks which are commonly used for the relief of that symptom.

When the disease proceeds from an injury done to the lungs

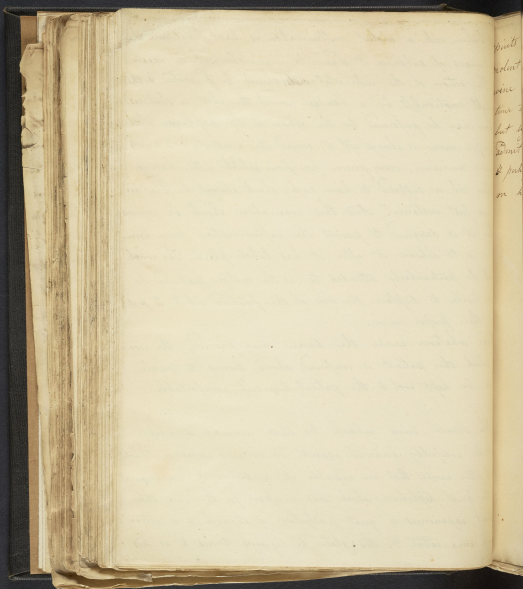
the first of the month of January 1841
I received from you a letter of the 28th
inst. in which you inform me that you
are about to leave for the West Indies
and that you will be absent for some
months. I am very glad to hear of
your departure, and I trust you will
have a very successful and profitable
journey. I am sure you will find
the climate of the West Indies very
agreeable, and I hope you will be
able to do some good work there.
I am very sorry to hear that you
will be absent for so long a time,
but I am sure you will be able to
return in good health and with a
good report of your journey. I am
very anxious to hear from you again,
and I hope you will be able to
write to me often. I am very
truly yours, J. W. F.

by a
the a
tion.
als by
piration
its pro
larger
a book
the use
whether
ins on
should
it is
out
From
in wh
course,
The
is to b
all o
of the
patient
much

by a broken rib, a violent inflammation is liable to come on & the means of subduing it should be vigorously put in execution. The action of the intercostal ~~muscles~~ ^{veins} should be prevented & the ribs kept motionless by a bandage round the chest, so that respiration may be performed by the action of the diaphragm alone. Its peripneumony is always apt to succeed the accident, & is a most dangerous occurrence, every person, free from debility either having a broken rib, or supposed to have such, should always be bled in the very first instance. And this evacuation should be copious whether it is designed to prevent the inflammation from coming on, or to relieve it after it has taken place. The cough should be particularly attended to as the motion produced by it is liable to displace the ends of the fractured rib & to prevent their proper union.

From whatever cause the disease may proceed, the room in which the patient is confined, should, during its whole course, be kept cool & the patient himself, comfortable.

The disease being subdued by these remedies, a relapse is to be carefully guarded against, by avoiding exposure to cold & all other causes that are capable of producing it. On account of the great depletion which was necessary for the cure, the patient experiences a great prostration of strength, & is often much emaciated. In this state he requires tonics, & as his



spirits are often much depressed after the removal of the violent excitement which he has lately ^{experienced} a small portion of wine or porter has sometimes, a very pleasant effect at the same time that it is beneficial. His diet should be nutritious, but light & easy of digestion. As soon as his strength will permit of it, exercise in the open air will be of service, & perhaps, there is no exercise more salutary than riding on horse back.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100